

SILVICULTURAL PRESCRIPTION

TWP _____ RNG _____ SEC _____ FORVIS OR STAND # Mechanical Unit; FIELD OFFICE Lewistown

AVG ELEV. & RANGE 5300 – 5800 ASPECT E-SE SLOPE Variable 0% - 40%

HABITAT TYPE: Cool – Moist Douglas-fir (See JMLA for full description) ACRES 268

PRIMARY OBJECTIVE: Forest health; specifically Fuels Reduction in the WUI and along major travel routes and improved wildlife habitat

SECONDARY OBJECTIVE(S): Local economics

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DESCRIPTION OF EXISTING STAND: This portion of the Maiden project area contains the greatest volume of standing timber. It completely surrounds Camp Maiden and is bordered by several mining claims along its SE edge. The area is well roaded; the road that access thru Camp Maiden will need to have drainage features, such as dips, culverts and ditches repaired or replaced. The area is mostly an overstory of Douglas-fir in the 14" plus size class along with an abundance of 8" – 12" DBH LPP. The LPP shows signs of breaking down, i.e. broken tops, weak crowns and some mistletoe. The DF overstory is in pretty nice shape and has an abundance of suitable leave trees. Very few PP exist and it may be difficult to find suitable leave trees. (To reach targets planting PP may need to be considered). Basal Area is currently within target however, species mix is about 75%LPP, 20%DF and less than 5% PP; (almost exactly backwards from target)

CONSTRAINTS TO MEETING OBJECTIVES: Current Market Conditions

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TARGET STAND: STRUCTURE: Un-even aged in the DF stands
% SPP MIXES: 50 - 70% PP; 25 - 35%DF; 10 - 15% in LPP

DESIRED STOCKING LEVELS: BASAL AREA = 80 – 140 Sq Ft (In the overstory; trees > 10" DBH)

DESCRIPTION OF TARGET STAND: Target stand will be comprised of mostly PP in the 14" or larger along with same size class DF. LPP will be present and scattered throughout. The understory will be a mix of native grasses, shrubs and forbs along with patches of Aspen and Birch. Some small patches of DF understory will be left to break up sight distance and provide big game thermal and hiding cover.

CONSTRAINTS TO MEETING TARGETS: Monitor for PP regeneration. If none occurring that will meet target stand consider planting.

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NARRATIVE PRESCRIBED TREATMENT: Remove all LPP that is 7"DBH or larger. Leave all suitable PP that have good form and character. Leave up to 60 square feet of Douglas-fir in the 14" plus diameter class.

Thin from below up to 95% of stems per acre in all species. Mark to leave favoring PP. DF and LPP in the 6" – 8" diameter class may be left but no more than 10 sq ft of Basal Area (each).

Where hardwoods occur treatments may be altered to favor hardwood growth and/or expansion of the area.

Machine pile, Hand-pile and/or lop and scatter all slash from all cut material in preparation for burning. Waste material should be made available for firewood gathering and other incidental personal uses.

Under-burning may occur to further reduce slash and litter and to allow stimulate growth of desired trees, shrubs, forbs and grasses.

Appendix A3

| Treatment | Acres | Cost/Acre | Total Cost | Sub-Activity | Est. Date |
|-------------------------------------|--------------|------------------|-------------------|---------------------|-------------------|
| Mark to leave | 268 | | | 1030 | Spring 09' |
| Slash Treatment | 268 | | | 1030 | Fall 09' |
| Burn Slash Piles | 268 | | | 2824 | Winter 11' |
| Broadcast Burn | 268 | | | 2824 | Spring 12' |
| Monitor | 268 | | | 1030/2824 | FY10 - 13 |
| Begin Maintenance Treatments | 268 | | | | FY 13' |